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ION-SENSITIVE ELECTRODE
BASED ON NEUTRAL CARRIER COMPLEX

ABSTRACT OF THE DISCLOSURE

An electrode is provided which is remarkably sensitive to and is selective toward cations such as barium ion, strontium ions and calcium ions present in a test solution containing other common cations such as, for example, K^+ , Na^+ , H^+ and NH_4^+ . This electrode comprises a region containing an ion-exchange material which is a neutral carrier complex that is extremely selective toward these cations. This electrode is employed in conjunction with a conventional electrode such as a calomel electrode or a silver-silver chloride electrode to measure the activity of said ions in solutions.

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